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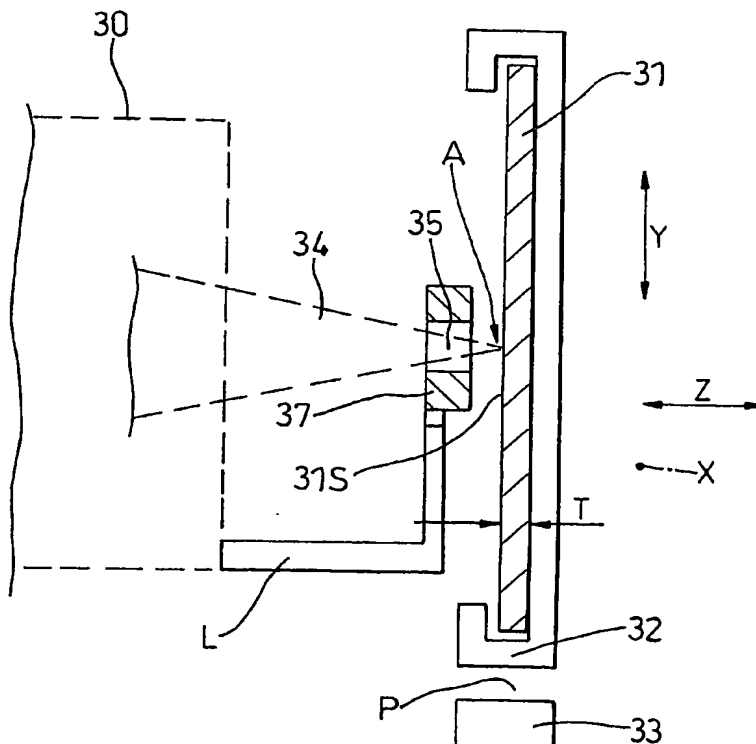
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- (71) Applicant (for all designated States except US): **EX-ITECH LIMITED** [GB/GB]; Oxford Industrial Park, Yarnton, Oxford OX5 1QU (GB).
- (72) Inventors; and
- (73) Inventors/Applicants (for US only): **BANN, Robert** [GB/GB]; 8 Wykham Gardens, Banbury OX16 9LP (GB). **SYKES, Neil** [GB/GB]; 18 Belmont, Wantage OX12 9AS (GB).
- (74) Agent: **ROCK, Olaf, Colin**; Rock and Company, Trelawn, The Green, Cassington, Witney OX29 4DN (GB).
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(54) Title: POSITIONING METHOD, APPARATUS AND A PRODUCT THEREOF



(57) Abstract: A method of laser micro-machining, by means of a laser, a work piece (31) of the type described comprising the steps of: locating the workpiece on a carrier forming a part of a transport system whereby the carrier can be displaced along a path (P) parallel to an X-axis of the workpiece, a Y-axis lying transverse the path, and a Z-axis lying transverse the path; focussing an image generated by means of an output beam from the laser at a working datum position (A) defined relative to the path which path is established by means of the transport system to traverse the first datum position; a plane defined by the X- and Y- axis lying substantially perpendicular to the output beam; and displacing the workpiece along the path by way of the transport system so as to enable the work-piece to be subject to micro-machining by way of the laser characterised by the steps of: maintaining distance between the datum position and a current first surface position of the work-piece in the vicinity of the datum position ; and varying the working datum position to accord with local variations in thickness of the workpiece so that the working datum position is maintained at a fixed distance relative to a surface of the workpiece apparatus therefor.



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